

GUITAR SYNTHESIZER
GR-700
G-707
GUITAR CONTROLLER





GR-700

GUITAR SYNTHESIZER

The First MIDI-Compatible Guitar Synthesizer with 64 Memories

- The GR-700 programmable, 6-voice polyphonic guitar synthesizer unit can memorize 64 different sounds. The accessory M-16C memory cartridge provides an additional 64 memories for a total of 124 memories, all of which can be recalled by simply pressing the Number pedals on the front panel.
- A built-in computer digitally analyzes guitar string vibrations to ensure accuracy. The GR-700 offers numerous superb features normally found only in much more expensive synthesizers, including Dual DCO, VCF, ENV, and Stereo Chorus. These features allow you to create impressive sounds at will.
- Memorized sounds can be modified using the pedals on the GR-700 and the control on a guitar controller. The large, easy-to-see display shows the bank and patch number, the editing parameter's number and status, and many other items. When the optional PG-200 programmer is connected to the GR-700, the PG-200 can modify the memorized sounds to create new sounds.
- The GR-700 is touch sensitive and faithfully converts expressive guitar sounds into synthesizer sounds.
- The String Select function allows pitch bending, hold, and synthesizer sounds to be applied to any individual strings. In the Chromatic mode, the GR-700 produces a complete chromatic scale that normally can be created only by keyboard instruments.
- Pressing the Hold pedal will sustain synthesizer sounds. The String Select function allows you to select the strings to which the hold function is applied, so that a solo can be accompanied with sustained sounds. Releasing the Hold pedal stops this effect. The time between the release of the pedal and the final fade-out of sound is determined by setting the Release time of the ENV.



REAR PANEL



- The GR-700 is the first MIDI-compatible guitar synthesizer. This means that you can control any MIDI device by picking the strings of a guitar controller.
- The GR-700 can be controlled by any G-series guitar controller—the G-202, G-303, G-505, G-808 or new G-707.
- An AB-700 carrying case for the GR-700 is also available.

SPECIFICATIONS

- Internal Memories: 64 sounds (2 K byte RAM, battery backedup)
- External memories: 64 sounds (by M-16C memory cartridge)
- Edit: 32 parameters (controllable by a guitar controller)
- Pedals: Number (1 to 8), Bank, Edit, Hold
- Touch pads: Dynamics (DCO, VCF, VCA), String Select (Voice, Hold, Pitch Bend, Up/Down, 1 to 6), Chromatic/Load, Chorus/Save, Memory (Cartridge/Copy, Write)
- Indicators: Memory (Bank number, Patch number), Edit (Parameter, Data)
- Jacks: XLR output × 2 (0dB), Phone output × 2 (Stereo, Mono, 0dB), Guitar output × 1 (Phone, -20dB), VCF pedal × 1 (FV-200), Pitch pedal × 1 (FV-200), MIDI output × 1 (5-pin DIN), Programmer in (6-pin DIN), Guitar input (C-24D STD), Memory cartridge slot (M-16C only), AC in
- Control: Tune (±50 cents)
- Switches: Output level select (H/M/L), Memory protect (on/off/on), Power on/off
- Dimensions: 690(W) × 375(H) × 155(D)mm (27.2" × 14.8" × 6.1")
- Weight: 12 kg (26.4 lb.)
- Accessories: LP-25 connection cord × 2, C-24D multi-core connecting cable × 1, 2.5m 6-pin DIN cable × 1, Power cable × 1, M-16C memory cartridge × 1

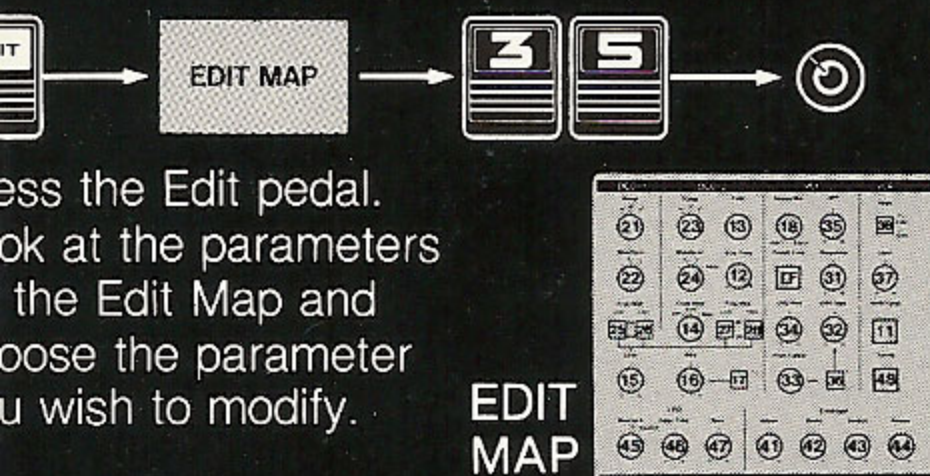
PG-200 PROGRAMMER

The PG-200 allows you to easily and quickly create new sounds and modify memorized sounds. It can be connected to the GR-700 with just an accessory 6-pin DIN cable.



- Dimensions: 244(W) × 45(H) × 172(D)mm (9.6" × 1.8" × 6.8")
- Weight: 1.4 kg (3.08 lb.) • Accessory: 6-pin DIN cable

How to modify a memorized sound



Press the Edit pedal.
Look at the parameters
on the Edit Map and
choose the parameter
you wish to modify.

Recall the parameter by pressing the Number
pedals. The example above shows that
parameter 35 has been recalled.

Change the value or status of the parameter
using the knob on the guitar controller. This
job is called "Edit" on the G-707 guitar
controller and "Resonance" on other guitar
controllers.

Since this function temporarily modifies the
sound, the sound originally memorized does
not change until a new sound is written
over it.

How to write a sound into the memory

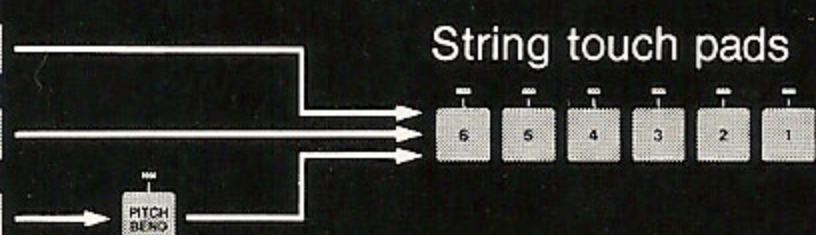


Move the Memory Protect switch to the off
position, then push the Write touch pad.
Select the bank number by pressing the Bank
and Number pedals. The example above
shows that bank 1 has been selected.

Press the Number pedal to select the patch
number for the sound to be memorized. The
example above shows that patch 2 has been
selected.

Move the Memory Protect switch to the on
position.

How to use the String Select function



There are six String touch pads. Each controls
one guitar string. An LED above each touch
pad lights when turned on. There are three
touch pads—Voice, Hold, and Pitch Bend.

Press the **VOICE** touch pad and select the desired
strings using the String touch pads. Synthesizer
sounds can be applied only to strings which
have been turned on.

Press the **HOLD** touch pad and select the desired
strings using the String touch pads. The hold
function can only be applied to those strings
which have been turned on.

Press the **PITCH BEND** touch pad and select the desired
strings using the String touch pads. Pitch
bending can be applied only to those strings
which have been turned on. The direction of
pitch bending can be selected by pressing
the **UP** touch pad. And an LED above the
touch pad will light when the up mode is
selected. You can also vary the range of the
pitch bending by changing the value of the
pitch bending parameter.

G-707

GUITAR CONTROLLER

The Most Unusual but Most Efficient Guitar Controller Ever Produced

- The G-707 guitar controller is exclusively and ideally constructed for use with GR guitar synthesizer units.
- The G-707 features a redesigned hexa pick-up and a stabilizer that eliminates unwanted vibration of the neck. This combination allows the G-707 to produce the stable signals needed to control guitar synthesizer units.
- The G-707's innovative shape allows creation of unique vibrational characteristics from ordinary guitar vibrations, and enhances the performance of the stabilizer.
- The G-707 can control and enhance the performance of the GR-300, GR-100 and new G-700 guitar synthesizer units.
- The G-707 can also be used as an electric guitar. It produces superb sounds due to its stable string vibrations and enhanced fundamental notes.
- The newly designed tremolo unit features 16-mm diameter ball bearings on the pivots and roller bridge to ensure smooth operation and sharp response. The strings are kept in tune at all times so the G-707 never requires use of a tuning lock system. Strings are easy to replace, too.
- The G-707 has a maple neck, a rosewood fingerboard, and the stabilizer is made of new specially developed material.
- Accessories: 4mm Allen wrench, 2.5mm Allen wrench, Connecting cord.

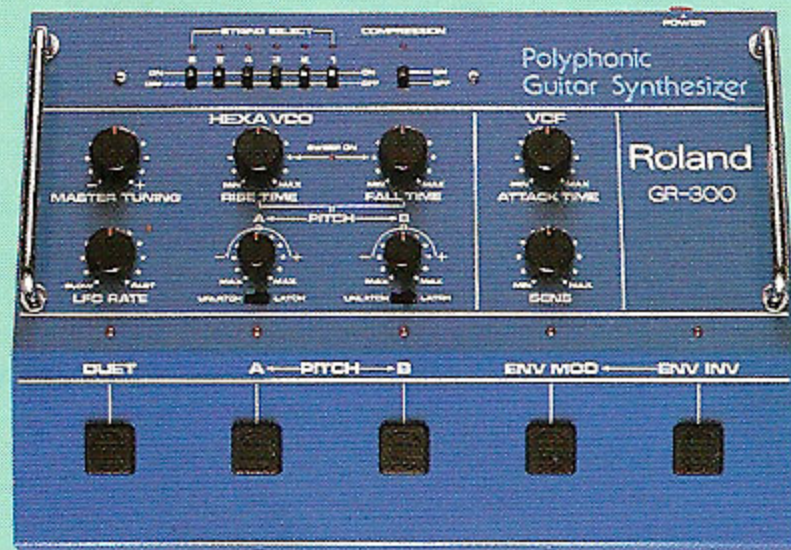
- A** Balance knob:
determines the synthesizer and guitar sound mix.
- B** Master volume knob:
controls the overall volume.
- C** Mode switch:
In I position only guitar sounds are produced. In the II or III position, both guitar and synthesizer sounds are produced. In the III position, synthesizer sound can be obtained by softly picking the strings. In the II position, more forceful picking produces synthesizer sounds.
- D** LFO modulation (vibrato depth) knob
- E** Touch plates A and B:
Used to produce vibrato effects. The depth of the effect is controlled by the LFO modulation knob. With one hand, touch either the strings or any other metal part of the G-707. With the other hand, simply touch plate A to produce a vibrato effect. Touch plate B to stop the effect. If you desire a temporary effect, simply touch plate B. In this case, a vibrato effect is produced as long as the plate is touched.
- F** Cutoff frequency knob
- G** Edit knob:
Both knobs are used to modify the synthesizer sounds. The Cutoff frequency knob controls only the cutoff frequency of the VCF. The Edit knob controls all other parameters.
- H** Stabilizer
- I** Tremolo unit



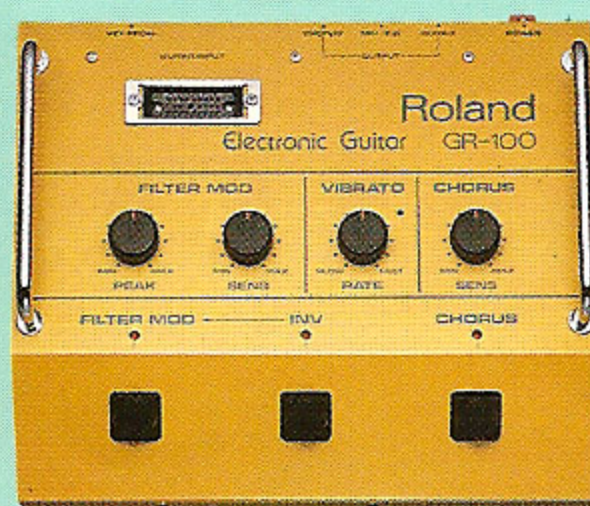
GR-700 SAMPLE SOUNDS

	1	2	3	4	5	6	7	8
BANK 1	Low Strings I	Soft Brass I	Organ I	Env Lead	Big Lead	Synth Bass	Chimes	FX
BANK 2	Low Strings II	Soft Brass II	Organ II	Glide Reed	Lead I	Funk Bass	Bell	Low Sweep
BANK 3	High Strings I	Classical Brass	Pipe Organ	Juicy Funk	Lead II	Fat Octave Bass	Steel Drums	Mellow Synth Strum
BANK 4	High Strings II	GR-300	Synth Organ	Ow	Lead III	Pluck	Mister Rogers	Fat Fifth
BANK 5	High Strings III	Trumpet	Harpsichord	Stally Jazz	Synth Bite	Dark Pluck	Metallic Piano	Fifth Dimension
BANK 6	Violin	Soft Trumpet	Clav	Muffled Voice	Solo Guitar I	Flanged Pluck	Xylophone	Sweep Octave
BANK 7	Cellos	Low Brass I	McClavish	Flute I	Solo Guitar II	Vibe I	Synth Lute	Toms
BANK 8	Wood Bass	Low Brass II	Ow Bass	Flute II	Squeeze	Vibe II	Synth Sitar	Wind

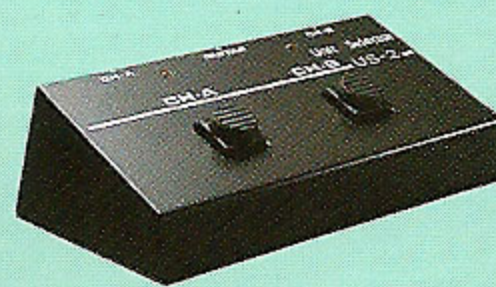
GR GUITAR SYSTEM



GR-300
POLYPHONIC GUITAR SYNTHESIZER UNIT



GR-100
ELECTRIC GUITAR UNIT



US-2
UNIT SELECTOR



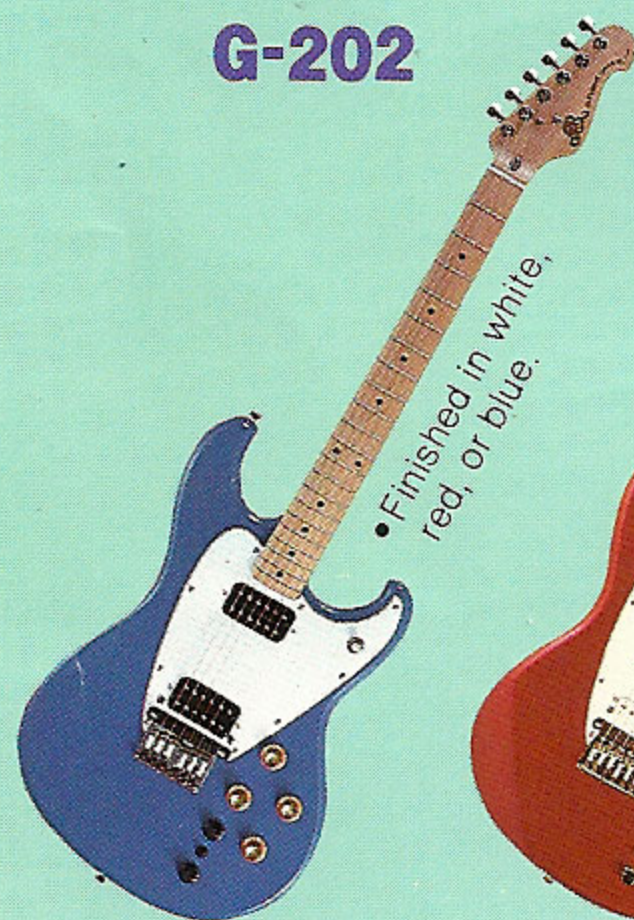
GR-33B
BASS GUITAR SYNTHESIZER UNIT

Roland's GR polyphonic guitar synthesizer system offers an incredibly wide variety of sounds. The GR-300 and GR-100 guitar synthesizer units can be controlled by the new G-707 guitar controller. The G-202, G-303, G-505, and G-808 can also control the new GR-700.

The only bass synthesizer system in the world—the GR-33B bass guitar synthesizer unit and G-33 and G-88 bass guitar controllers—is also versatile and provides you with the sounds beyond your imagination.

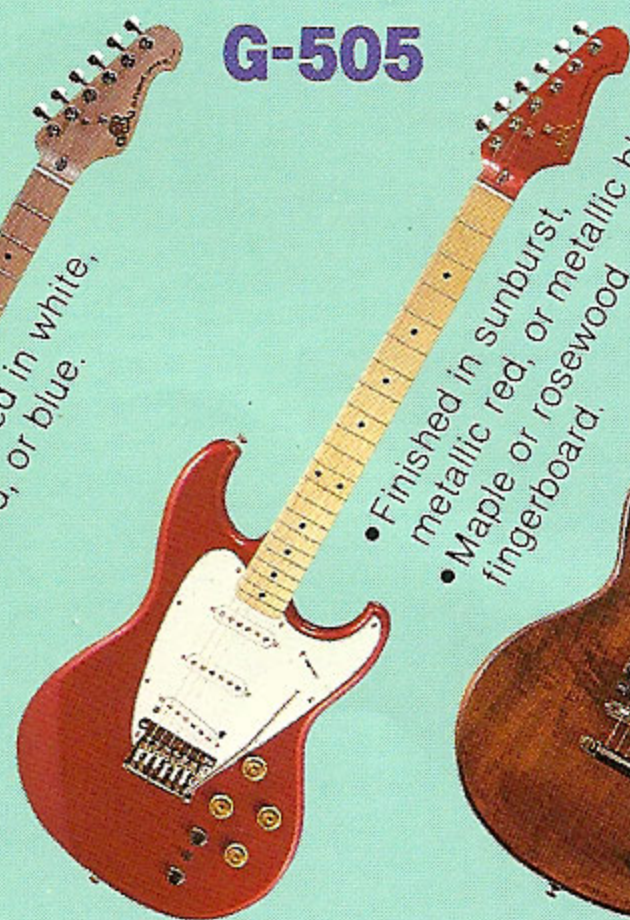
GUITAR CONTROLLER

BASS GUITAR CONTROLLER



G-202

• Finished in white, red, or blue.



G-505

• Finished in sunburst, metallic red, or metallic blue.
• Maple or rosewood fingerboard.



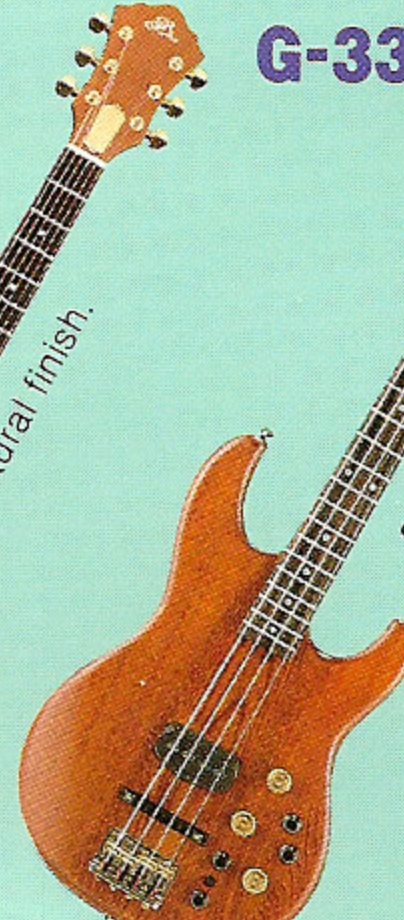
G-303

• Finished in brown, natural, or white.
• Left-handed model is also available.



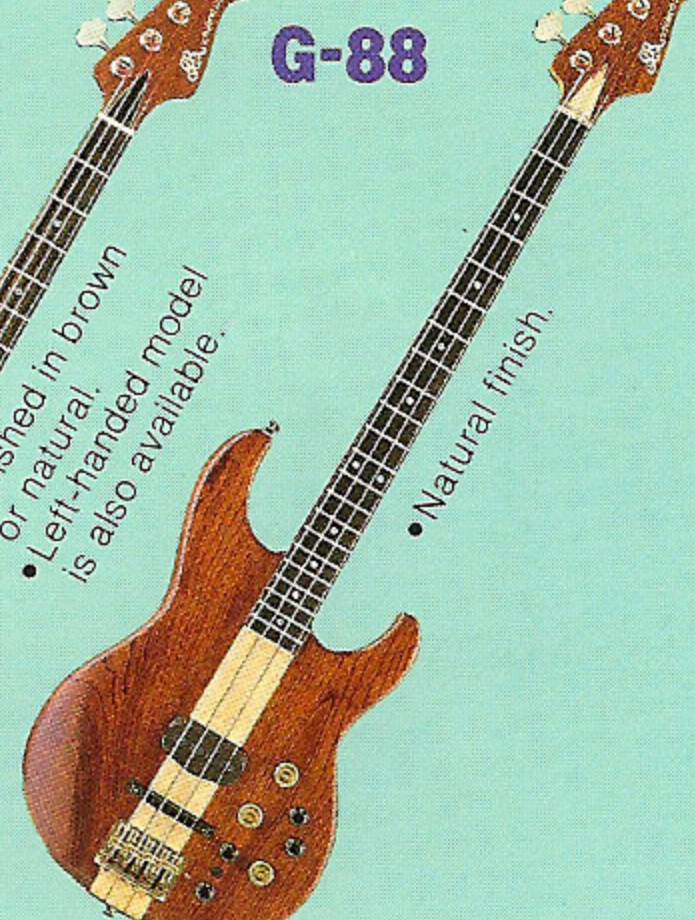
G-808

• Natural finish.



G-33

• Finished in brown or natural.
• Left-handed model is also available.



G-88

• Natural finish.